



August 1, 1994

Leah Evison, RPM  
U.S. Environmental Protection Agency  
77 West Jackson Blvd., HSRW-6J  
Chicago, IL 60604-3590

RE: Extent of Proposed Landfill Cap Versus Proximity to Prader Residence

Dear Leah:

This letter serves to describe remedial action for equipment that could be potentially used for the construction of the landfill cap at the Albion-Sheridan Township Landfill site. Conceptually, what I would envision is the landfill cap extending to the approximate location shown in the attached figure. An access road will surround the landfill in order for maintenance equipment to be able to access the landfill cap. A security fence will need to be installed to encompass the landfill and any remediation systems installed.

Telephone

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A typical bull dozer used for construction purposes is a model D6H WDA. The overall length of the blade is 16 feet 5 inches. This would necessitate that the width of the road be a minimum of 20 feet wide. A typical front end loader would be equivalent to the model 980C. The width of this equipment is approximately 11 feet. In order to leave a little clearance between the road and the fence, I would estimate that one would need a minimum of 25 to 30 feet beyond the edge of the 960 foot southern contour line for working purposes. The minimum location of the fence would be immediately adjacent to the northern wall of the Prader residence.

Depending on what alternatives are selected, there could also be some additional conflicts with the Prader residence. For instance, the proposed air sparging system to achieve Act 307 criteria requires the location of a row of sparge points just east of the Prader residence. If additional permanent remediation equipment is installed, the fence would need to incorporate that equipment as well. This may require including the Prader residence within the fenced area. This would allow the Prader's access to any remediation equipment.

At your request, EARTH TECH evaluated the cost of moving the final southern edge of the waste north of the Prader Homestead property. EARTH TECH estimates that approximately 7,800 cubic yards of waste material would have to be relocated. Final contour lines would vary from those shown in Figure 3.2. The total cost of this additional work, including contingencies, engineering and construction management is estimated to be \$36,500.

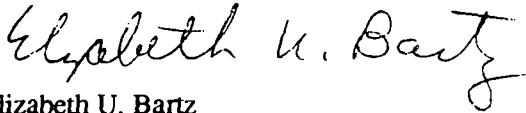


Ms. Leah Evison  
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Feel free to call me if you require further information.

Sincerely yours,

EARTH TECH

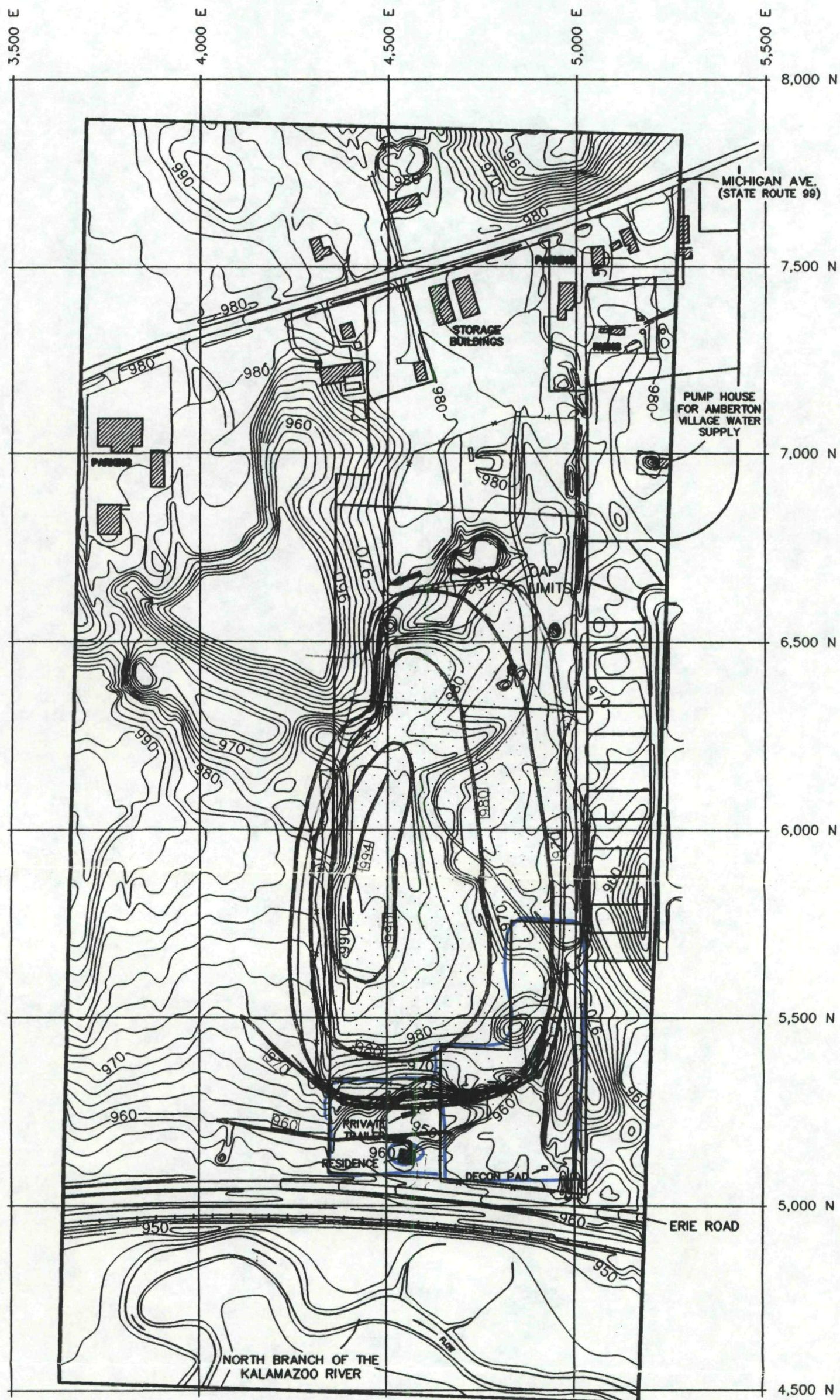


Elizabeth U. Bartz

cc: 04011, 32







### LEGEND

- |  |   |  |                           |
|--|---|--|---------------------------|
|  | - APPROXIMATE LANDFILL BOUNDARY (DASHED PORTIONS INDICATE THE SURVEY GRID BOUNDARY) |  | - PROPOSED CONTOUR        |
|  | - PROPERTY BOUNDARY   |  | - DITCH LINE              |
|  | - UNPAVED ROAD  |  | - NEW PROPOSED CAP LIMITS |
|  | - INTERMITTENT STREAM   |  |                           |
|  | - RAILROAD TRACK  |  |                           |
|  | - FENCE LINE  |  |                           |
|  | - TOPOGRAPHIC CONTOUR (10' INTERVAL)  |  |                           |
|  | - TOPOGRAPHIC CONTOUR (2' INTERVAL)   |  |                           |



0 100 300 600  
SCALE IN FEET

ALB-TOP0  
MJP051094

### FIGURE 3.2 PROPOSED LANDFILL CAP CONTOURS

ALBION-SHERIDAN TOWNSHIP LANDFILL  
ALBION, MICHIGAN

DECEMBER, 1993

04011.03